

## Sample Part 107 Test Questions

1. (Refer to Figure 20.) Why would the small flag at Lake Drummond in area 2 of the sectional chart be important to a Remote PIC?
  - The flag indicates a GPS check point that can be used by both manned and remote pilots for orientation.
  - The flag indicates a VFR check point for manned aircraft, and a higher volume of air traffic should be expected there.
  - The flag indicates that there will be a large obstruction depicted on the next printing of the chart.
2. According to 14 CFR part 107, an sUAS is a unmanned aircraft system weighing
  - 55 kg or less.
  - Less than 55 lbs.
  - 55 lbs or less.
3. A person whose sole task is watching the sUAS to report hazards to the rest of the crew is called
  - Visual observer
  - Remote-PIC
  - Person manipulating the controls
4. (Refer to figure 15) In the TAF from KOKC, the clear sky becomes
  - overcast at 2,000 feet during the forecast period between 2200Z and 2400Z.
  - overcast at 200 feet with the probability of becoming overcast at 400 feet during the forecast period between 2200Z and 2400Z.
  - overcast at 200 feet with a 40% probability of becoming overcast at 600 feet during the forecast period between 2200Z and 2400Z.

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5. During your preflight inspection, you discover a small nick in the casing of your sUAS battery. What action should you take?
- Use it as long as it will still hold a charge.
  - Follow the manufacturer's guidance.
  - Throw it away with your household trash.
6. When loading cameras or other equipment on an sUAS, mount the items in a manner that
- Can be easily removed without the use of tools.
  - Is visible to the visual observer or other crewmembers.
  - Does not adversely affect the center of gravity.
7. According to 14 CFR part 107, what is required to operate a small UA within 30 minutes after official sunset?
- Use of anti-collision lights.
  - Must be operated in a rural area.
  - Use of a transponder.
8. What is a characteristic of stable air?
- Stratiform clouds
  - Cumulus clouds
  - Unlimited visibility

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9. (Refer to Figure 20.) Who would a Remote Pilot in Command contact to "CHECK NOTAMS" as it is noted in the CAUTION box regarding the unmarked balloon?

- FAA district office
- Flight Service
- NTSB office

10. Which technique should a pilot use to scan for traffic?

- Concentrate on relative movement detected in the peripheral vision area.
- Systematically focus on different segments of the sky for short intervals.
- Continuous sweeping of the windshield from right to left.

11. (Refer to Figure 21.) What airport is located approximately 47 (degrees) 40 (minutes) N latitude and 101 (degrees) 26 (minutes) W longitude?

- Mercer County Regional Airport.
- Garrison Airport.
- Semshenko Airport.

12. The FAA may approve your application for a waiver of provisions in part 107 only when it has been determined that the proposed operation

- Can be safely conducted under the terms of that certificate of waiver
- Involves public aircraft or air carrier operations
- Will be conducted outside the United-States

13. When adapting crew resource management (CRM) concepts to the operation of a small UA, CRM must be integrated into

- all phases of the operation.
- the flight portion only.
- the communications only.

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14. A stall occurs when the smooth airflow over the unmanned airplane's wing is disrupted, and the lift degenerates rapidly. This is caused when the wing

- exceeds the maximum speed.
- exceeds maximum allowable operating weight.
- exceeds its critical angle of attack.

15. What are characteristics of a moist, unstable air mass?

- Poor visibility and smooth air.
- Stratiform clouds and showery precipitation.
- Cumuliform clouds and showery precipitation.

16. (Refer to Figure 2.) If an unmanned airplane weighs 33 pounds, what approximate weight would the airplane structure be required to support during a 30° banked turn while maintaining altitude?

- 47 pounds.
- 38 pounds.
- 34 pounds.

17. When operating an unmanned airplane, the remote pilot should consider that the load factor on the wings may be increased anytime

- the airplane is subjected to maneuvers other than straight and level flight.
- the gross weight is reduced.
- the CG is shifted rearward to the aft CG limit.

18. What action should a remote-pilot take when operating in a Military Operations Area (MOA)?

- Obtain authorization from the controlling agency prior to operating in the MOA
- Exercise extreme caution when military activity is being conducted
- Fly only along Military Training Routes (MTRs)

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19. (Refer to figure 15) What is the forecast wind for KMEM from 1600Z until the end of the forecast?

- Variable in direction at 6 knots.
- Variable in direction at 4 knots.
- No significant wind.

20. A pilot should be able to overcome the symptoms or avoid future occurrences of hyperventilation by

- slowing the breathing rate, breathing into a bag, or talking aloud.
- closely monitoring the aircraft's telemetry data.
- increasing the breathing rate in order to increase lung ventilation.

21. According to 14 CFR part 48, when must a person register a small UA with the Federal Aviation Administration?

- When the small UA is used for any purpose other than as a model aircraft.
- Only when the operator will be paid for commercial services.
- All civilian small UAs weighing greater than .55 pounds must be registered regardless of its intended use.

22. What is the antidote when a pilot has a hazardous attitude, such as Antiauthority?

- Follow the rules
- Rules do not apply to this situation
- I know what I am doing

23. What is the antidote when a pilot has a hazardous attitude, such as Resignation?

- What is the use
- I am not helpless
- Someone else is responsible

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24. (Refer to figure 15) Between 1000Z and 1200Z the visibility at KMEM is forecast to be?

- ☐ 3 SM
- ☐ 1/2 SM
- ☐ 1 SM

25. (Refer to Figure 26, area 2.) What is the approximate latitude and longitude of Cooperstown Airport?

- ☐ 47°55'N - 98°06'W
- ☐ 47°25'N - 99°54'W
- ☐ 47°25'N - 98°06'W

26. (Refer to figure 21, area 1.) Determine the approximate latitude and longitude of Minot Intl Airport.

- ☐ 48°16'N - 101°16'W
- ☐ 47°44'N - 100°44'W
- ☐ 48°16'N - 100°44'W

27. Who holds the responsibility to ensure all crewmembers who are participating in the operation are not impaired by drugs or alcohol?

- ☐ The Contractor
- ☐ The Remote Pilot in Command (Remote PIC)
- ☐ The Site Supervisor

28. (Refer to Figure 22, area 2.) At Coeur D'Alene which frequency should be used as a Common Traffic Advisory Frequency (CTAF) to monitor airport traffic?

- ☐ 122.8 MHz.
- ☐ 135.075 MHz.
- ☐ 122.05 MHz.

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29. (Refer to figure 22, area 3.) The elevation of the Shoshone County Airport is
- 2227 feet
  - 55 feet
  - 5500 feet
30. The most comprehensive information on a given airport is provided by
- The Chart Supplements U.S. (formerly Airport/Facility Directory)
  - Notices to Airmen (NOTAMs)
  - Terminal Area Chart (TAC)
31. (Refer to figure 2.) If an airplane weighs 23 pounds, what approximate weight would the airplane structure be required to support during a 60° banked turn while maintaining altitude?
- 23 pounds
  - 34 pounds
  - 46 pounds
32. Within how many days must an sUAS accident be reported to the FAA?
- 10 days
  - 30 days
  - 90 days
33. Damaged lithium batteries can cause
- Increased endurance
  - A change in aircraft center of gravity
  - An inflight fire

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34. Before each flight, the Remote PIC must ensure that

- Objects carried on the sUAS are secure
- The site supervisor has approved the flight
- ATC has granted clearance

35. You may operate an sUAS from a moving vehicle when no property is carried for compensation or hire

- Over a parade or other social events
- Over suburban areas
- Over a sparsely populated area

36. To avoid a possible collision with a manned airplane, you estimate that your small UA climbed to an altitude greater than 600 feet AGL. To whom must you report the deviation?

- The FAA, upon request.
- Air Traffic Control.
- The National Transportation Safety Board.

37. (Refer to Figure 20, area 2) The elevation of the Chesapeake Regional Airport is

- 23 feet
- 55 feet
- 19 feet

38. If an unstable air mass is forced upward, what type clouds can be expected?

- Stratus clouds with considerable associated turbulence.
- Clouds with considerable vertical development and associated turbulence.
- Stratus clouds with little vertical development.



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39. (Refer to Figure 20.) How would a remote PIC "CHECK NOTAMS" as noted in the CAUTION box regarding the unmarked balloon?

- ☐ By utilizing the B4UFLY mobile application.
- ☐ By obtaining a briefing via an online source such as 1800WXBrief.com.
- ☐ By contacting the FAA district office.

40. As a remote-pilot operating near an airport, you should expect arriving aircraft to join the traffic pattern

- ☐ 45 degrees to base
- ☐ overflying the runway and turning downwind
- ☐ 45 degrees to downwind

41. Which basic flight maneuver increases the load factor on an airplane as compared to straight-and-level flight?

- ☐ Stalls
- ☐ Climbs
- ☐ Turns

42. What is the one common factor which affects most preventable accidents?

- ☐ Mechanical malfunction
- ☐ Human error
- ☐ Structural failure

43. Which of the following considerations is most relevant to a Remote PIC when evaluating unmanned aircraft performance?

- ☐ The type of the sUAS operation
- ☐ The number of available ground crew
- ☐ Current weather conditions

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44. According to 14 CFR part 107, how may a remote pilot operate an unmanned aircraft in class C airspace?

- The remote pilot must contact the Air Traffic Control (ATC) facility after launching the unmanned aircraft.
- The remote pilot must monitor the Air Traffic Control (ATC) frequency from launch to recovery.
- The remote pilot must have prior authorization from the Air Traffic Control (ATC) facility having jurisdiction over that airspace.

45. You have been hired as a remote pilot by a local TV news station to film breaking news with a small UA. You expressed a safety concern and the station manager has instructed you to “fly first, ask questions later.” What type of attitude does this attitude represent?

- Machismo.
- Impulsivity.
- Invulnerability.

46. Responsibility for collision avoidance in controlled airspace rests with

- Air Traffic Control
- all pilots
- the controlling agency

47. (Refer to figure 2.) If an airplane weighs 33 pounds, what approximate weight would the airplane structure be required to support during a 30° banked turn while maintaining altitude?

- 31 pounds
- 12 pounds
- 40 pounds

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48. (Refer to Figure 26, area 2.) While monitoring the Cooperstown CTAF you hear an aircraft announce that they are midfield left downwind to RWY 13. Where would the aircraft be relative to the runway?

- The aircraft is South.
- The aircraft is East.
- The aircraft is West.

49. Whose sole task during an sUAS operation is to watch the sUAS and report potential hazards to the rest of the crew?

- The Remote Pilot in Command (Remote PIC)
- The person manipulating the controls
- The visual observer (VO)

50. (Refer to Figure 21.) You have been hired by a farmer to use your small UA to inspect his crops. The area that you are to survey is in the Devil's Lake West MOA, east of area 2. How would you find out if the MOA is active?

- Refer to the legend for special use airspace phone number.
- In the Military Operations Directory.
- This information is available in the Small UAS database.

52. What effect does high density altitude have on the efficiency of a UA propeller?

- Density altitude does not affect propeller efficiency.
- Propeller efficiency is increased.
- Propeller efficiency is decreased.

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53. The effective use of all available resources—human, hardware, and information—prior to and during flight to ensure the successful outcome of the operation is called

- Crew Resource Management
- Risk Management
- Safety Management System

54. Which is true regarding the presence of alcohol within the human body?

- A small amount of alcohol increases vision acuity.
- Judgment and decision-making abilities can be adversely affected by even small amounts of alcohol.
- Consuming an equal amount of water will increase the destruction of alcohol and alleviate a hangover.

55. What could be a consequence of operating a small unmanned aircraft above its maximum allowable weight?

- Shorter endurance
- Increased maneuverability
- Faster speed

56. What should pilots state initially when telephoning a weather briefing facility for preflight weather information?

- the location of the sUA operation
- the remote-PIC certificate number
- the address of the remote-PIC

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57. (Refer to Figure 12.) What are the current conditions for Chicago Midway Airport (KMDW)?

- Sky 7000 feet overcast, visibility 1-1/2SM, heavy rain.
- Sky 700 feet overcast, visibility 1-1/2SM, rain.
- Sky 700 feet overcast, visibility 11, occasionally 2SM, with rain.

58. The most effective method of scanning for other aircraft for collision avoidance is to use

- regularly spaced concentration on the 3-, 9-, and 12-o'clock positions.
- peripheral vision by scanning small sectors and utilizing offcenter viewing.
- a series of short, regularly spaced eye movements to search each 10-degree sector.

60. A local TV station has hired a remote pilot to operate their small UA to cover breaking news stories. The remote pilot has had multiple near misses with obstacles on the ground and two small UAS accidents. What would be a solution for the news station to improve their operating safety culture?

- The news station should recognize hazardous attitudes and situations and develop standard operating procedures that emphasize safety.
- The news station should implement a policy of no more than five crashes/incidents within 6 months.
- The news station does not need to make any changes; there are times that an accident is unavoidable.

61. (Refer to figure 26, area 2.) What hazards to aircraft may exist in areas such as Devils Lake East MOA?

- Military training activities that necessitate acrobatic or abrupt flight maneuvers.
- High volume of pilot training or an unusual type of aerial activity.
- Unusual, often invisible, hazards such as aerial gunnery or guided missiles.

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62. (Refer to Figure 20, area 3.) With ATC authorization, you are operating your small unmanned aircraft approximately 4 SM southeast of Elizabeth City Regional Airport (ECG). What hazard is indicated to be in that area?

- Unmarked balloon on a cable up to 3,008 feet MSL.
- Unmarked balloon on a cable up to 3,008 feet AGL.
- High density military operations in the vicinity.

63. (Refer to Figure 23, area 3.) What is the height of the lighted obstacle approximately 6 nautical miles southwest of Savannah International?

- 1,498 feet MSL.
- 1,531 feet AGL.
- 1,548 feet MSL.

64. (Refer to Figure 26, area 2.) While monitoring the Cooperstown CTAF you hear an aircraft announce that they are left base to RWY 31. Where would the aircraft be relative to the runway?

- The aircraft is South.
- The aircraft is East.
- The aircraft is North.

65. According to 14 CFR part 107, the responsibility to inspect the small UAS to ensure it is in a safe operating condition rests with the

- remote pilot-in-command.
- visual observer.
- owner of the small UAS

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66. (Refer to figure 25, area 7.) The airspace overlying Mc Kinney airport (TKI) is controlled from the surface to

- 700 feet AGL
- 2,900 feet MSL
- 2,500 feet MSL

67. (Refer to figure 25, area 4.) The airspace directly overlying Fort Worth Meacham airport is

- Class B airspace to 10,000 feet MSL
- Class C airspace to 5,000 feet MSL
- Class D airspace to 3,200 feet MSL

68. (Refer to Figure 20, area 6) What does the dashed magenta line East of Area 6 indicate?

- Magnetic variation
- Military operation area (MOA)
- Class E starting at the surface

69. According to 14 CFR part 107, the responsibility to inspect the small UAS to ensure it is in a safe operating condition rests with the

- remote pilot-in-command.
- visual observer.
- owner of the small UAS.

70. While operating a small unmanned aircraft system (sUAS), you experience a flyaway and several people suffer injuries. Which of the following injuries requires reporting to the FAA?

- Scrapes and cuts bandaged on site
- Minor bruises
- An injury requiring a hospitalization over 48 hours

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71. What is the antidote when a pilot has a hazardous attitude, such as Invulnerability?
- It could happen to me
  - It will not happen to me
  - It can not be that bad
72. (Refer to Figure 12.) The wind direction and velocity at KJFK is from
- 040° true at 18 knots.
  - 180° magnetic at 4 knots.
  - 180° true at 4 knots.
73. (Refer to figure 22, area 3.) Determine the approximate latitude and longitude of Shoshone County Airport.
- 47°32'N - 116°11'W
  - 47°32'N - 116°41'W
  - 47°02'N - 116°41'W
74. (Refer to figure 20 area 4.) What hazards to aircraft may exist in restricted areas such as R-5302B?
- Military training activities that necessitate acrobatic or abrupt flight maneuvers.
  - Unusual, often invisible, hazards such as aerial gunnery or guided missiles.
  - High volume of pilot training or an unusual type of aerial activity.
75. What are the characteristics of stable air?
- Good visibility and steady precipitation.
  - Poor visibility and steady precipitation.
  - Poor visibility and intermittent precipitation.



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76. Scheduled maintenance should be performed in accordance with the

- Stipulations in 14 CFR part 43
- Manufacturer's suggested procedures
- Contractor requirements

77. What are characteristics of unstable air?

- Nimbostratus clouds and good surface visibility.
- Turbulence and good surface visibility.
- Turbulence and poor surface visibility.

78. When requesting a waiver, the required documents should be presented to the FAA at least how many days prior to the planned operation?

- 90 days
- 10 days
- 30 days

79. After receiving a part 107 remote pilot certificate with an sUAS rating, how often must you satisfy recurrent training requirements?

- Every 36 months
- Every 12 months
- Every 24 months

80. (Refer to Figure 26, area 4.) You have been hired to inspect the tower under construction at 46.9N and 98.6W, near Jamestown Regional (JMS). What must you receive prior to flying your unmanned aircraft in this area?

- Authorization from the military.
- Authorization from ATC.
- Authorization from the National Park Service.